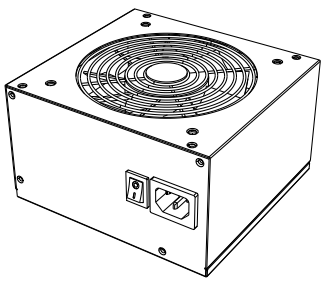
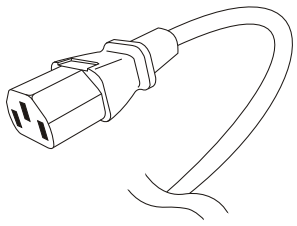
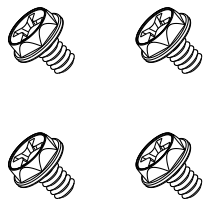
Package Content



PSU

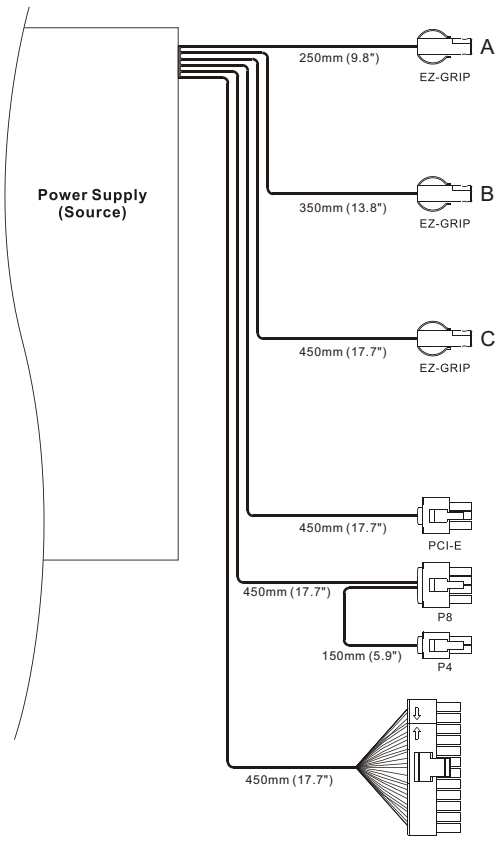


Power Cord

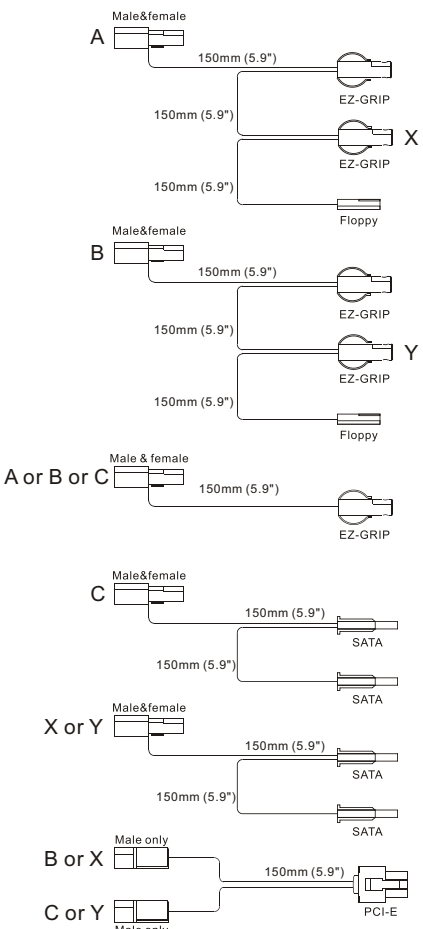


Screws

Cables & Connectors



exTender™



The drawings shown are for illustration only and may differ slightly from the actual product

HIPER™

www.hipergroup.com

TYPE M 580W

For HPU-4M580-xx

User's Guide
Manuel d'utilisation
使用说明书
使用說明書
取扱説明書
사용자 안내서
Benutzerhandbuch
Guida all'uso
Guía del usuario
Guia do Utilizador
Руководство пользователя
Podręcznik Użytkownika
Användarhandbok
Kullanım Kılavuzu
Felhasználói útmutató
مرشد لمستعمل
راهنمای کاربران
Bruker Guide

RoHS compliance

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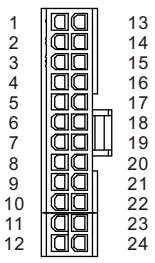
v1.01

Color, pin, and signal assignment of output power connectors:

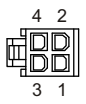
ATX Main Power Connector, 24 pin (24 to 20pin compatible)

Pin	Color	Signal	Pin	Color	Signal
1	Orange	+3.3V	13	Orange	+3.3V
2	Orange	+3.3V	14	Blue	-12V
3	Black	COM	15	Black	COM
4	Red	+5V	16	Green	PS-ON
5	Black	COM	17	Black	COM
6	Red	+5V	18	Black	COM
7	Black	COM	19	Black	COM
8	Gray	PG	20	N.C.	
9	Purple	+5Vsb	21	Red	+5V
10	Yellow	+12V1	22	Red	+5V
11	Yellow	+12V1	23	Red	+5V
12	Orange	+3.3V	24	Black	COM



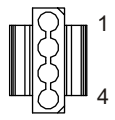
+12V Power Connector (P4), 4 pin

Pin	18 AWG Wire	Signal
1	Black	COM
2	Black	COM
3	Yellow	+12v2dc
4	Yellow	+12v2dc



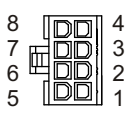
Peripheral Power Connector (Molex), 4 pin

Pin	18 AWG Wire	Signal
1	Yellow	+12V1dc
2	Black	COM
3	Black	COM
4	Red	+5Vdc



+12V Power Connector (P8), 8 pin

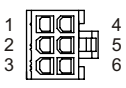
Pin	18 AWG Wire	Signal
1	Black	COM
2	Black	COM
3	Black	COM
4	Black	COM
5	Yellow	+12v2dc
6	Yellow	+12v2dc
7	Yellow	+12v2dc
8	Yellow	+12v2dc



For HPU-4X5XX and higher model

PCI-E Power Connector, 6 pin

Pin	18 AWG Wire	Signal
1	Yellow	+12v1dc
2	Yellow	+12v1dc
3	Yellow	+12v1dc
4	Black	COM
5	Black	COM
6	Black	COM

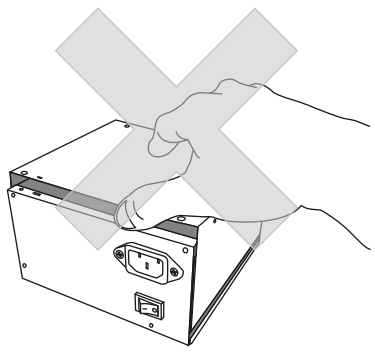


Serial ATA Power Connector, 15 pin

Pin	20 AWG Wire	Signal
1-3		NC
4-6	Black	COM
7-9	Red	+5V
10-12	Black	COM
13-15	Yellow	+12V1

Floppy Drive Power Connector, 4 pin

Pin	22 AWG Wire	Signal
1	Yellow	+12V1dc
2	Black	COM
3	Black	COM
4	Red	+5Vdc



⚠ Do not open the top cover to avoid electrical shock or possible injury.

⚠ For US model it is 100-120V, for EU model it is 195-240V. Please do not use the incorrect model for your area in terms of voltage as it might damage the PSU.

Specifications

Specification	Description	HPU-4M580-xx
Wattage	Rated Wattage	580 Watts
	Peak Load	630 Watts
Switch Type	Manual	Rocker
	Auto Standby	ATX Logic
Fan	120 mm - R.P.M.	700 ~ 1800 R.P.M.
	120 mm - Type	Sleeve Bearing
Input Parameter	Voltage Range	195 - 240V
	Current	6A
	Voltage Range (for US model)	100 - 120V
	Current (for US model)	10A
	Frequency Range	50 - 60 Hz
ATX	Form Factor	2.2
Efficiency	Average	76%
Output Parameter	+5V	2A - 36A
	+12V 1	1A - 20A
	+12V 2	1A - 18A
	-12V	0A - 0.8A
	+5VSB	0A - 2.5A
	+3.3V	0.5A - 30A
Regulation	+5V	+/- 5%
	+12V 1	+/- 5%
	+12V 2	+/- 5%
	-12V	+/- 10%
	+5VSB	+/- 5%
	+3.3V	+/- 5%
Output Load Regulation	+12V 1 & +12V 2	< 360W
	+3.3V & +5V	< 240W
	+3.3V, +5V & +12V	< 560W
Output Voltage Protection	+3.3V	< 4.5V
	+5V	< 6.8V
	+12V	< 15.6V
Power Good Signal	Rise Time	< 20 ms
	Signal On	100 - 500 ms
	Signal Off	< 1 ms
	Power Hold	16 ms min
Chassis	Thickness	1.0 mm
PFC	Power Factor Correction	Active (N/A for US model)
Unit Size	Dimension	150 x 140 x 86 mm
		5.9" x 5.5" x 3.4"
Weight	Net Weight	2 kg

* Features and specifications are subject to change without prior notice.

Warranty Information

High Performance Group guarantees that this device is free of defect in material & workmanship, and provides three-year RTB warranty for the device, commencing form the date of purchase. Please keep your receipt in a safe place.

This product is designed for computer usage only. Using this device in any other application will void the warranty. If please ask for professional assistance.

The warranty is offered to the device caused by normal use. The warranty is void if determined that the device is damaged because of abuse, alteration, misuse, negligence, incorrect voltage supply, air /water pollution accidents and natural calamities.

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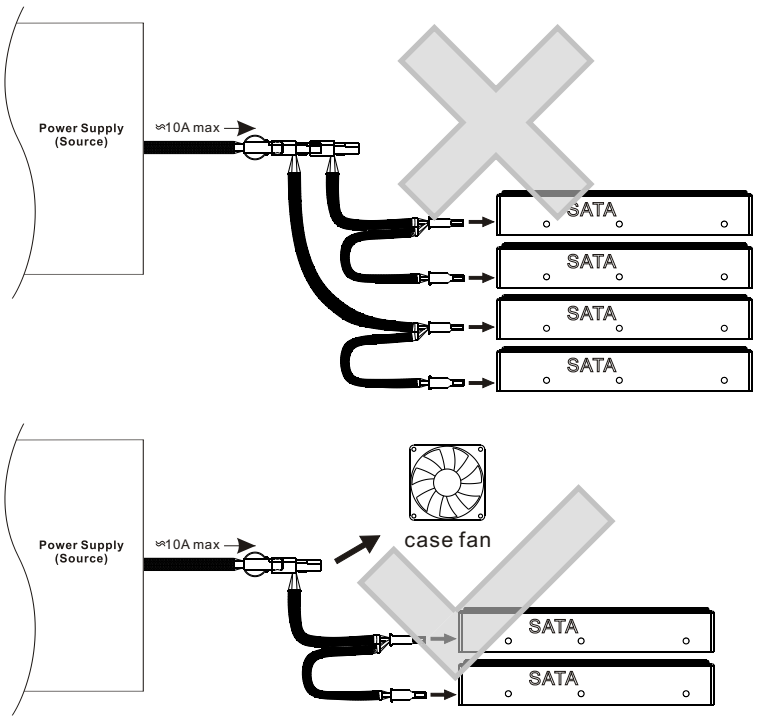
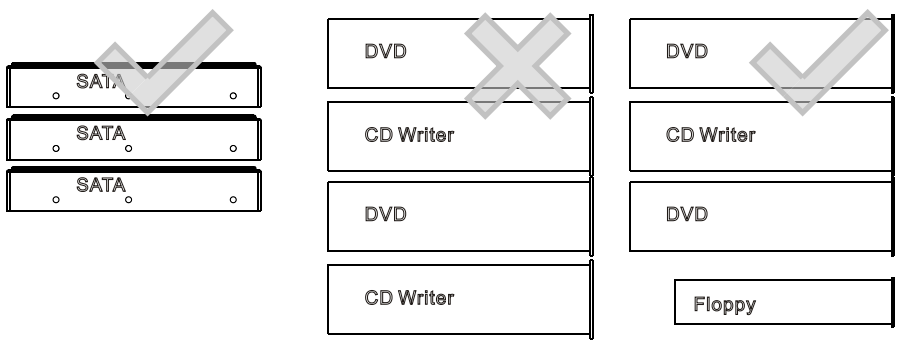
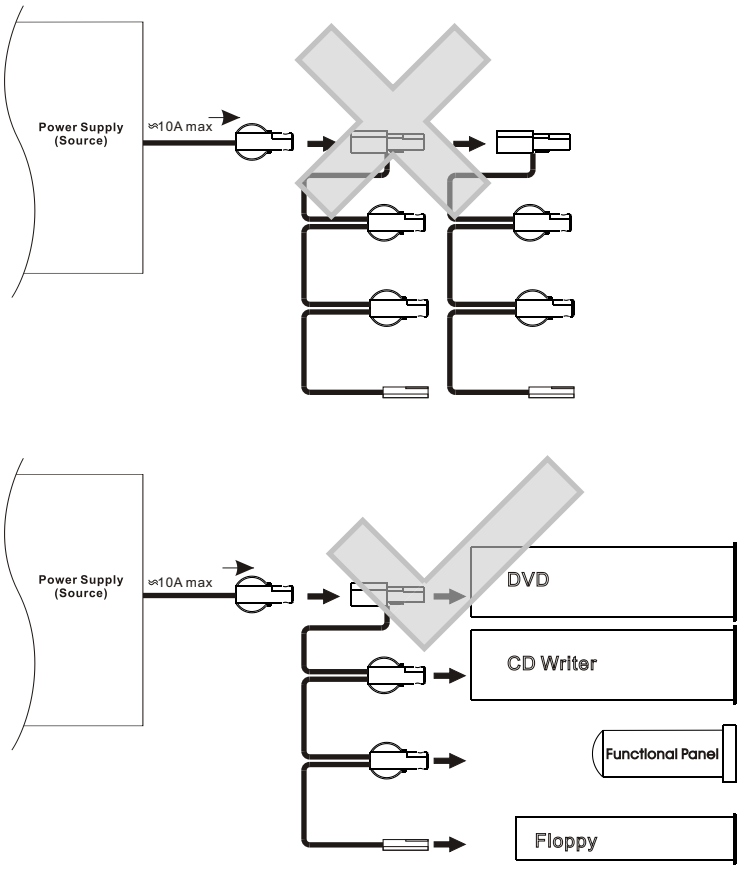
SATA HDD



For each Molex cable (from PSU):



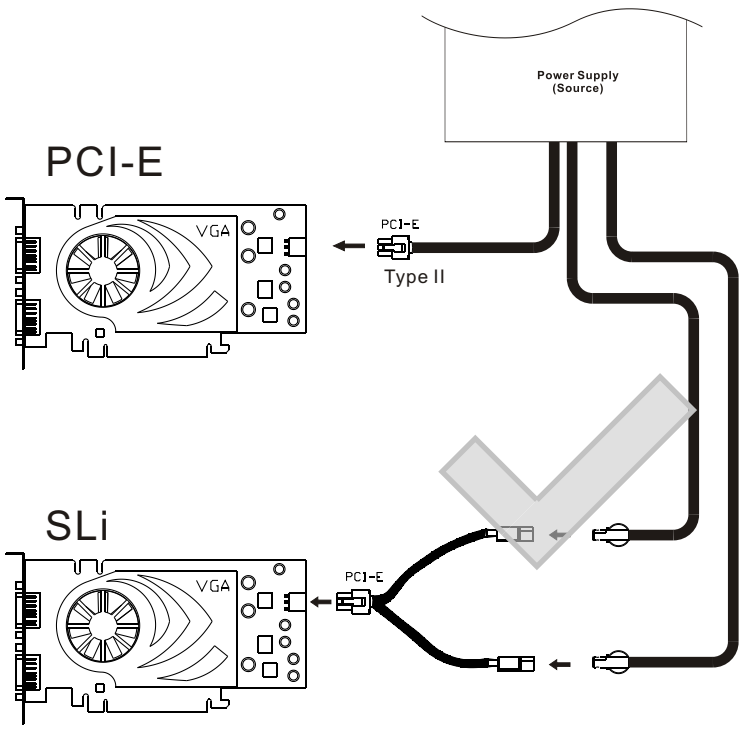
Peripherals



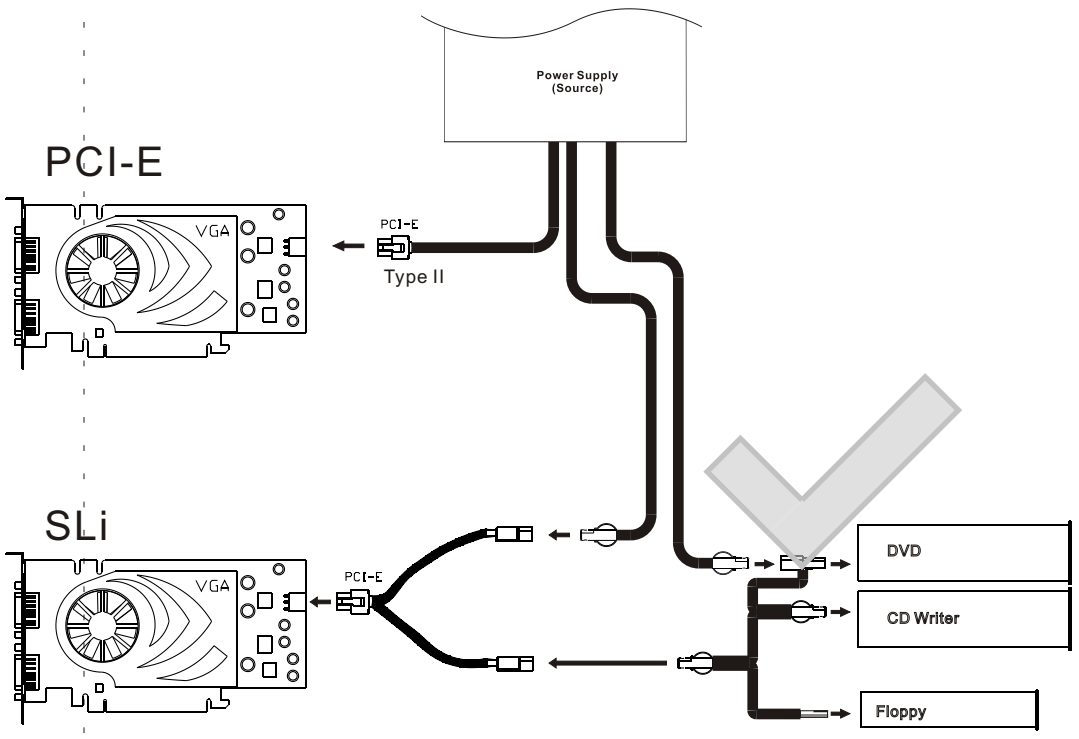
Each Molex cable (from PSU) has capacity of approximately 10A (12V+5V) due to wire limitations. When using eXtender™ to connect devices, for stability, it is recommended that you do not connect over 4 peripherals with a maximum of 3 hard or optical drives.

Typical Current Consumption (Estimates)			
Devices	+5V	+12V	Total (A)
High performance fan		0.25	0.25
High performance hard drive	0.8	2	2.8
CD-RW	1.2	0.8	2
DVD	1.2	1.1	2.3
Floppy	0.8		0.8
PCI-E VGA Card		7	7

PCI-E VGA card



SLi is for HPU-4x5xx and higher model



SLi is for HPU-4x5xx and higher model

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